Function-Feature Intervals (version 14)
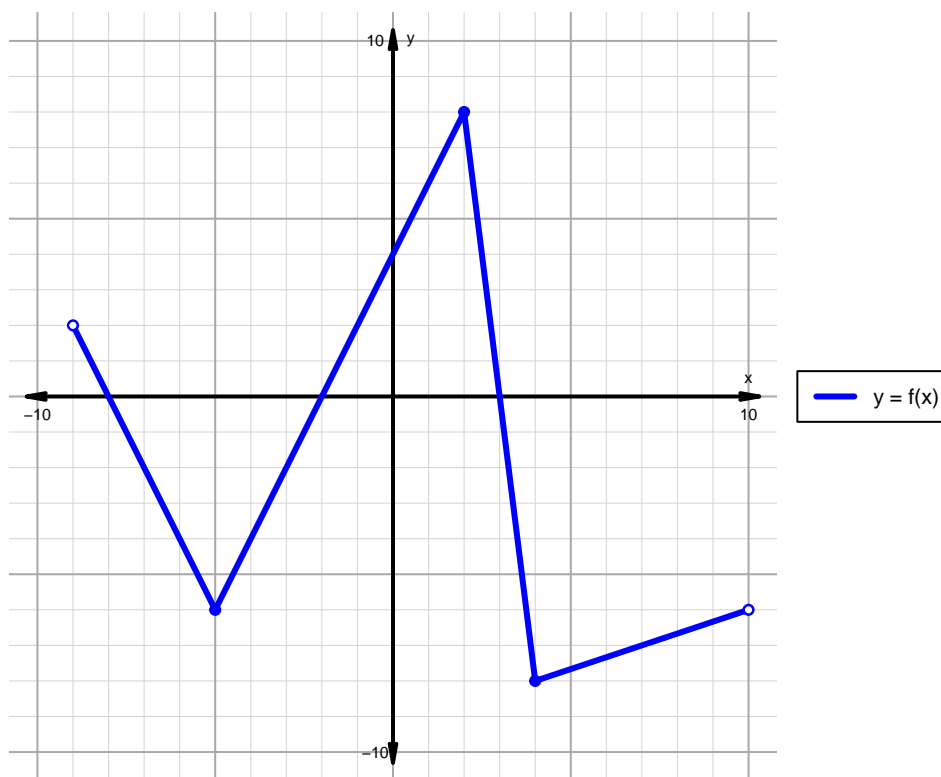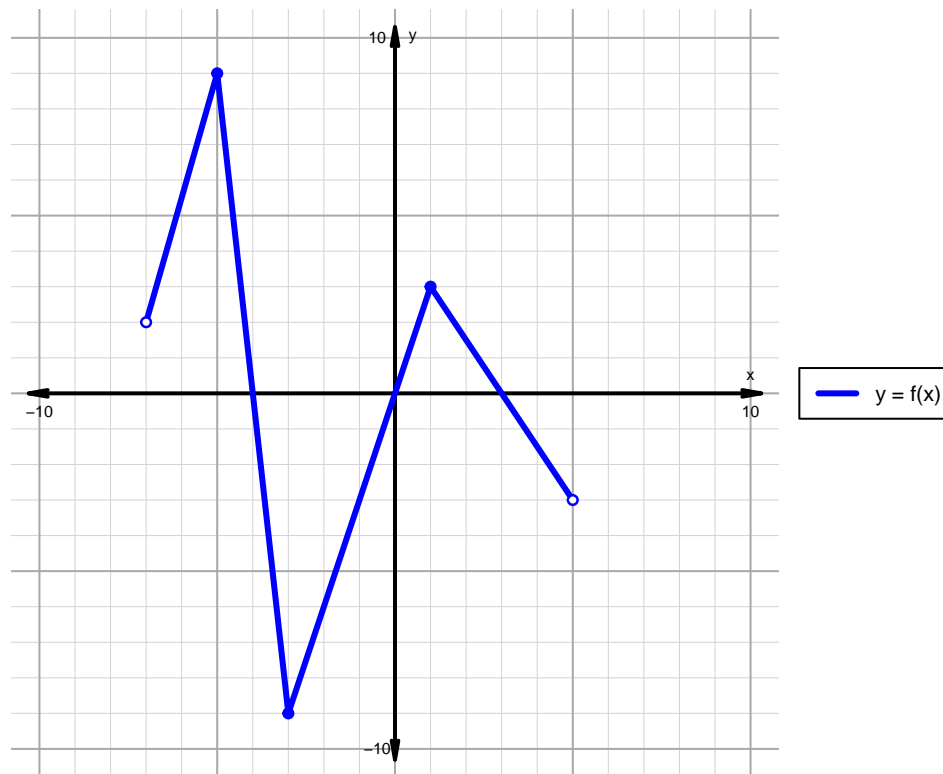
1. The function f is graphed below.

Indicate the following intervals using interval notation. Remember, you can use $\cup$ between two intervals to indicate the union. Except for range, all intervals will indicate x values; this is standard.

Feature	Where
Positive	$(-9, -8) \cup (-2, 3)$
Negative	$(-8, -2) \cup (3, 10)$
Increasing	$(-5, 2) \cup (4, 10)$
Decreasing	$(-9, -5) \cup (2, 4)$
Domain	$(-9, 10)$
Range	$(-8, 8)$

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2. The function f is graphed below.

Indicate the following intervals using interval notation. Remember, you can use $\cup$ between two intervals to indicate the union. Except for range, all intervals will indicate x values; this is standard.

Feature	Where
Positive	$(-7, -4) \cup (0, 3)$
Negative	$(-4, 0) \cup (3, 5)$
Increasing	$(-7, -5) \cup (-3, 1)$
Decreasing	$(-5, -3) \cup (1, 5)$
Domain	$(-7, 5)$
Range	$(-9, 9)$